**AMENDMENTS TO THE SPECIFICATION:**

Please replace the title with the following new title:

**--HANDHALD CALCULATOR WITH PROBLEMS AND OPERATIONS LINKED LISTS--**

Please replace the paragraph beginning at page 9, line 16, with the following rewritten paragraph:

Referring now to Figures 2A through 2G, there are illustrated screen displays typical for the calculator illustrated in Figure 1 while running an application called symbolic math guide ("SMG"), which incorporates a system for interactive transformation of expressions and/or sub-expressions of mathematical equations. The symbolic math guide provides step-by-step problem solving transformations for various mathematical problem types such as algebra and calculus. This helps students learn symbolic computation. As an example, Figure 2A illustrates a typical computer screen showing menus as well as the history of a problem chosen for solution. As shown and as an example only, the screen includes a menu tab selection line 40 with tabs F1, F2, F5 and F7. The above-mentioned tabs will be discussed below, but it should be understand that other tabs and other possible manipulations of the menu may be made available by the computer. In the embodiment shown, a statement of the type of problem to be solved such as simplifying a polynomial, expanding a polynomial or simply solving the problem, etc., is displayed in display area 42. Below the problem statement displayed in area 42, there is also included a multi-line area 42A ~~43~~ for displaying the actual problem being solved followed by a display of the step-by-step solution.

Please replace the paragraph beginning at page 11, line 14, with the following rewritten paragraph:

Eventually, as will be appreciated, a particular problem or mathematical expression which constitutes a part of the problem will be selected for solving, expanding or simplifying, etc. from one or more linked-list of problems, such as for example, the SMPS set of problems as indicated in Figure 2B and referred to as "problem" linked list. The selected problem will then be displayed in area 42A ~~43~~ of the multi-line display screen 14 of calculator 10. The calculator will then evaluate the problem or mathematical expression and determine which mathematical operation selected from those operations which are performable by the calculator are applicable or will operate on the selected problem. All of the possible operations performable by the calculator are referred to as the master list and may or may not represent an actual list stored in memory. One or more of the applicable operations are then stored in the memory as a linked list. In the embodiment shown and illustrated in Figure 2F, the tab keys may also be defined so as to provide a list of the types of problems that may be solved such as "simplify" (as shown in 2A through 2D, 2H and 2G), "solve" (as shown in Figure 2E) and "compute" (derivatives). The appropriate action to be taken is determined by selecting the appropriate "F" key associated with its tab. Assuming the "F1" "simplify" key is selected, a drop down menu will then be displayed (not shown) which illustrates the type of problems that can be simplified. The operator then enters a problem to be solved and subsequently selects the "TRANS" (transformation) key. At this point, a linked list of mathematical operations, including transformations such as "complete the square," "factor" or expansion, which are applicable, can operate on or manipulate the problem or mathematical expression as shown in Figure 2G. The linked list is referred to herein as an "operations" linked list and may include operations which will not simplify or lead to a solution of the problem or mathematical expression. This allows the student to make wrong choices as well as correct choices and to see the effect of such wrong choices.

Please replace the paragraph beginning at page 12, line 19, with the following rewritten paragraph:

When the student makes a choice from the displayed linked list (a right choice or a wrong choice), the calculator will then operate on the selected problem or mathematical expression according to the student's choice. The results or the effect of the operation on the problem is then displayed on a line in display area 42A ~~43~~. That is, the problem (expression) operated on is rewritten or displayed with the changes. After the problem (or selected algebraic expression which makes up part of the problem) is displayed with the results of the previous operation, the calculator will then again determine which of the operations available from the master list are now applicable to the rewritten problem or mathematical expression, and a new linked list of possible operations is displayed. The new linked list may include operations which were not applicable in the previous pass and consequently were not displayed. If the previous operation was with respect to a mathematical or algebraic sub-expression which made up part of the overall problem and has now been simplified as far as possible, the student may choose another and separate sub-expression which also makes up the problem or may now chose an operation which operates on the whole problem.